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Concl'd 76 ~~81~~ 26. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ \leq \alpha_0 \leq 2^\circ$.

77 ~~85~~ 27. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ \leq \alpha_0 \leq 1^\circ$.

80 ~~86~~ 28. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ < \alpha_0 \leq 20^\circ$.

83 ~~89~~ 29. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ < \alpha_0 \leq 10^\circ$.

84 ~~88~~ 30. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ < \alpha_0 \leq 5^\circ$.

87 ~~87~~ 31. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ < \alpha_0 \leq 2^\circ$.

88 ~~90~~ 32. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ < \alpha_0 \leq 1^\circ$.

91 ~~91~~ 33. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 which is about 5° .

92 ~~92~~ 34. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 which is about 1° .

93 ~~93~~ 35. The electro-optical display device of claim ~~20, 37, 44, 63, 97, 99, 101, 102,~~
~~62 or 119,~~ wherein said liquid crystal molecules have a pretilt angle α_0 which is about 0° .

E2 2 37. An electro-optical display device of claim [36] ~~20,~~ wherein β_0 is not 45° .

E2
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94 38. An electro-optical display device of claim ¹20, [22, 24, 27, 28, 30 or 32] ²37, ⁶44, ²⁴63, ⁵⁶97, ⁵⁸99, ⁶⁰101, ⁶¹102, ⁶²103 or ⁷⁸119, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

95 39. An electro-optical display device of claim ¹20, [22, 24, 27, 28, 30 or 32] ²37, ⁶44, ²⁴63, ⁵⁶97, ⁵⁸99, ⁶⁰101, ⁶¹102, ⁶²103 or ⁷⁸119, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

3 40. The electro-optical display device of claim ¹20, [22, 24, 27, 28, 30 or 32] wherein said liquid crystal switching elements further comprise:

- (a) said liquid crystal molecules which are twistable;
- (b) a substrate; and
- (c) an electrode structure which generates said electric field having a component predominantly parallel to the surface of said liquid crystal layer.

96 41. The electro-optical display device of claim ³40, ⁶44 or ⁷⁸119, wherein the initial twist angle β of the liquid crystal molecules is within 15 degrees of 0° , or within 15 degrees of 90° .

E3

6 44. [The electro-optical display device of claim 43, further comprising:] An electro-optical display device comprising a plurality of liquid crystal switching elements which comprise a liquid crystal layer comprising liquid crystal molecules and having a surface for display of an image which is switched under control of an electric field having a component predominantly parallel to said surface, wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ \leq \alpha_0 < 30^\circ$,

wherein said liquid crystal switching elements further comprise:

- (a) said liquid crystal molecules which are twistable;
- (b) a substrate;

E3
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- (c) an electrode structure which generates said electric field having a component predominantly parallel to the surface of said liquid crystal layer;
- (d) a polarizer in optical relation with said liquid crystal layer;
- (e) a voltage source connected to said electrode structure; and
- (f) an orientation layer, in contact with at least one surface of said liquid crystal layer, which aligns the liquid crystal molecules in a direction whereby they have an orientation angle β_0 , $0^\circ < \beta_0 < 90^\circ$.

91 45. The electro-optical display device of claim ~~44~~⁶ or ~~119~~^{78 67}, comprising an orientation layer, in contact with at least one surface of said liquid crystal layer, which aligns the liquid crystal molecules in a direction whereby they have said pretilt angle α_0 , $0^\circ \leq \alpha_0 < 30^\circ$.

E4

24 68. [The electro-optical display device of claim 40,] An electro-optical display device comprising a plurality of liquid crystal switching elements which comprise a liquid crystal layer comprising liquid crystal molecules and having a surface for display of an image which is switched under control of an electric field having a component predominantly parallel to said surface, wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ \leq \alpha_0 < 30^\circ$,

wherein said liquid crystal switching elements further comprise:

- (a) said liquid crystal molecules which are twistable;
- (b) a substrate; and
- (c) an electrode structure which generates said electric field having a component predominantly parallel to the surface of said liquid crystal layer,

wherein the electrode structure is arranged alternately in at least two different planes in parallel with the substrate.

E5

[Please add the following new claims:]

66 -97. An electro-optical device of claim 20, wherein said liquid crystal molecules have an orientation angle β_0 which is not 40° , not 45° and not 50° .

E5
Cont. 57 ~~98~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 > 50^\circ$ or $\beta_0 < 40^\circ$.

58 ~~99~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 55^\circ$ or $\beta_0 \leq 35^\circ$.

59 ~~100~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 60^\circ$ or $\beta_0 \leq 30^\circ$.

60 ~~101~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 65^\circ$ or $\beta_0 \leq 25^\circ$.

61 ~~102~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 70^\circ$ or $\beta_0 \leq 20^\circ$.

62 ~~103~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 75^\circ$ or $\beta_0 \leq 15^\circ$.

63 ~~104~~. An electro-optical device of claim ~~20~~¹, wherein said liquid crystal molecules have an orientation angle $\beta_0 \geq 80^\circ$ or $\beta_0 \leq 10^\circ$.

64 ~~105~~. An electro-optical display device of claim ~~20~~¹, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

69 ~~106~~^{58 68}. An electro-optical display device of claim ~~22~~²², wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

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cont. 73 ~~86~~ 107. ^{82 72} An electro-optical display device of claim ~~24~~, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

78 ~~87~~ 108. ^{85 77} An electro-optical display device of claim ~~27~~, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

81 ~~88~~ 109. ^{86 80} An electro-optical display device of claim ~~28~~, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

85 ~~89~~ 110. ^{88 84} An electro-optical display device of claim ~~30~~, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

89 ~~90~~ 111. ^{90 88} An electro-optical display device of claim ~~32~~, wherein the liquid crystal layer has an untwisted structure in its initial orientation and can be reoriented to a twisted structure by said field component oriented predominantly parallel to the liquid crystal layer.

66 ~~91~~ 112. ¹ An electro-optical display device of claim ~~20~~, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

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CONT
70 72 113. An electro-optical display device of claim 22, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

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82 72
74 75 114. An electro-optical display device of claim 24, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

85 77
79 78 115. An electro-optical display device of claim 27, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

84 80
82 79 116. An electro-optical display device of claim 28, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

88 84
86 76 117. An electro-optical display device of claim 30, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

90 88
90 77 118. An electro-optical display device of claim 32, wherein the liquid crystal layer has a twisted structure in its initial orientation which can be untwisted by the field component aligned predominantly parallel to the liquid crystal layer.

67 78 119. An electro-optical display device comprising a plurality of liquid crystal switching elements which comprise a liquid crystal layer comprising liquid crystal molecules and having a surface for display of an image which is switched under control of an electric field having a component predominantly parallel to said surface, wherein said liquid crystal molecules have a pretilt angle α_0 , $0^\circ \leq \alpha_0 < 30^\circ$,

wherein said liquid crystal switching elements further comprise:

(a) said liquid crystal molecules which are twistable;